

	U	1	Document ID	Issue Date	Pages
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6123923 A	20000926	81
2	<input type="checkbox"/>	<input type="checkbox"/>	US 6120751 A	20000919	60
3	<input type="checkbox"/>	<input type="checkbox"/>	US 6090912 A	20000718	65
4	<input type="checkbox"/>	<input type="checkbox"/>	US 6090800 A	20000718	58
5	<input type="checkbox"/>	<input type="checkbox"/>	US 6028066 A	20000222	61
6	<input type="checkbox"/>	<input type="checkbox"/>	US 5840485 A	19981124	63
7	<input type="checkbox"/>	<input type="checkbox"/>	US 5232912 A	19930803	18
8	<input type="checkbox"/>	<input type="checkbox"/>	US 5086042 A	19920204	30
9	<input type="checkbox"/>	<input type="checkbox"/>	US 4472305 A	19840918	14

	Title	Current OR	Current XRef
1	Optoacoustic contrast agents and methods for their use	424/9.52	424/450 ; 424/9.1 ; 424/9.2 ; 424/9.3 ; 424/9.6 ; 514/410
2	Charged lipids and uses for the same	424/9.51	264/4 ; 264/4.1 ; 424/450 ; 424/502 ; 424/9.52 ; 428/402.2
3	Topologically segregated, encoded solid phase libraries comprising linkers having an enzymatically susceptible bond	530/300	435/212 ; 435/213 ; 436/518 ; 436/523 ; 436/528 ; 436/531 ; 530/304 ; 530/334 ; 530/402 ; 530/407
4	Lipid soluble steroid prodrugs	514/180	552/574
5	Prodrugs comprising fluorinated amphiphiles	514/180	514/169 ; 552/507
6	Topologically segregated, encoded solid phase libraries	435/6	435/7.1 ; 435/DIG.22 ; 435/DIG.34 ; 435/DIG.35 ; 435/DIG.38 ; 436/518 ; 530/300 ; 530/323 ; 536/23.1
7	Anticoagulant peptides	514/15	514/822 ; 530/328 ; 930/20 ; 930/21
8	Peptides with sulfate ester groups	514/16	514/15 ; 530/327 ; 530/328 ; 530/329
9	Hexapeptide amides	530/329	530/800 ; 930/10 ; 930/20 ; 930/21 ; 930/DIG.802 ; 930/DIG.803

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1		Unger, Evan C. , et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		Unger, Evan C.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		Lebl, Michal , et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		Unger, Evan C. , et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		Unger, Evan C.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		Lebl, Michal , et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7		Krstenansky, John L.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8		Rosamond, James D.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9		Hansen, Philip E. , et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages
10	<input type="checkbox"/>	<input type="checkbox"/>	US 4434096 A	19840228	5
11	<input type="checkbox"/>	<input type="checkbox"/>	US 4350627 A	19820921	14
12	<input type="checkbox"/>	<input type="checkbox"/>	US 4028319 A	19770607	11

	Title	Current OR	Current XRef
10	Substrates for the quantitative determination of proteolytic enzymes	530/331	
11	Biologically active peptides	530/302	514/809 ; 530/327 ; 530/328 ; 530/329 ; 930/10 ; 930/20 ; 930/21 ; 930/DIG.782 ; 930/DIG.803
12	2 AND 3-SUBSTITUTED ENKEPHALINS	530/302	514/809 ; 930/20 ; 930/21 ; 930/80 ; 930/DIG.741 ; 930/DIG.742

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
10		Coleman, Patrick L. , et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11		de Castiglione, Roberto , et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12		Jones, Jr., David A. , et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(FILE 'HOME' ENTERED AT 15:08:28 ON 06 FEB 2002)

FILE 'USPATFULL' ENTERED AT 15:08:50 ON 06 FEB 2002

L1 910 S (PHE OR TYR OR TRP) (P) (SAR OR AZE? OR NIP OR PIP OR PIPECOTIC
L2 252 S (PHE OR TYR OR TRP) (2W) (SAR OR AZE? OR NIP OR PIP OR PIPECOTI
L3 48 S (PHE OR TYR OR TRP) (W) (PRO OR ALA OR GLY OR SER OR THR OR GLN

FILE 'REGISTRY' ENTERED AT 15:14:50 ON 06 FEB 2002

L4 0 S [FYW].[X]
L5 24538 S [FYW].[X]/SQSP
L6 1416 S L5 AND (SAR OR AZE OR NIP OR PIP)/NTE
L7 311 S L6 AND SQL<5
L8 0 S L6 AND SQL=3
L9 303 S L6 AND SQL=4
L10 2927 S [STY]..[FYW].[X]/SQSP
L11 324 S L10 AND (SAR OR AZE OR NIP OR PIP)/NTE
L12 303 S L11 AND SQL=6

FILE 'CAPLUS' ENTERED AT 15:20:57 ON 06 FEB 2002

FILE 'REGISTRY' ENTERED AT 15:21:25 ON 06 FEB 2002

L13 2119 S [STY][YGFMASILTVPKHQEZWRDNBC][YGFMASILTVPKHQEZWRDNBC][FYW].[X]
L14 24 S L13 AND (SAR OR AZE OR NIP OR PIP)/NTE
L15 9 S L14 AND SQL=6

FILE 'CAPLUS' ENTERED AT 15:23:10 ON 06 FEB 2002

L16 27 S L15

FILE 'REGISTRY' ENTERED AT 15:27:17 ON 06 FEB 2002

L17 753 S [STY]..[FYW].[X]^/SQSP
L18 303 S L17 AND (SAR OR AZE OR NIP OR PIP)/NTE

FILE 'CAPLUS' ENTERED AT 15:28:08 ON 06 FEB 2002

L19 427 S L18
L20 1 S 103:154282/DN

FILE 'CAPLUS' ENTERED AT 15:32:40 ON 06 FEB 2002

FILE 'USPATFULL' ENTERED AT 15:32:44 ON 06 FEB 2002

L21 0 S ALAPHATIC AMINO ACIDS
L22 0 S ALAPHATIC AMINO
L23 1031 S ALIPHATIC AMINO ACID?
L24 347 S L23(P)TYR?
L25 248 S L23(P)(SER OR THR)

FILE 'REGISTRY' ENTERED AT 15:35:59 ON 06 FEB 2002

L26 576 S [ST]..[FYW].[X]^/SQSP
L27 299 S L26 AND (SAR OR AZE OR NIP OR PIP)/NTE
L28 298 S L27 AND SQL=6

=> s l28 and (cycl?)/cn

423038 (CYCL?)/CN

L29 0 L28 AND (CYCL?)/CN

=> s l28 not cycl?

2823384 CYCL?

L30 81 L28 NOT CYCL?

u
=> s (phe or tyr or trp) (w) (pro or ala or gly or ser or thr or gln or asn or glu or
asp or his or lys or arg or leu or ile or val or met or phe or try or trp or
cys) (w) (sar or aze? or nip or pip or pipecotiC or nipecotiC)

2 FILE BIOSIS
1 FILE CANCERLIT

14 FILES SEARCHED...

16 FILE CAPLUS
9 FILE DDFU
1 FILE DGENE

24 FILES SEARCHED...

9 FILE DRUGU
2 FILE EMBASE
2 FILE ESBIODASE

34 FILES SEARCHED...

2 FILE IFIPAT

43 FILES SEARCHED...

3 FILE MEDLINE
2 FILE SCISEARCH

54 FILES SEARCHED...

1 FILE TOXLIT
48 FILE USPATFULL

58 FILES SEARCHED...

4 FILE WPIDS
4 FILE WPINDEX

15 FILES HAVE ONE OR MORE ANSWERS, 61 FILES SEARCHED IN STNINDEX

L35 QUE (PHE OR TYR OR TRP) (W) (PRO OR ALA OR GLY OR SER OR THR OR GLN OR ASN O
R GLU OR ASP OR HIS OR LYS OR ARG OR LEU OR ILE OR VAL OR MET OR PHE O
R TRY OR TRP OR CYS) (W) (SAR OR AZE? OR NIP OR PIP OR PIPECOTIC OR NIPE
COTIC)

=>

RL: SPN (Synthetic preparation); PREP (Preparation)
(electrochem. redn. of the acyclic analog of pristinamycin Ia)

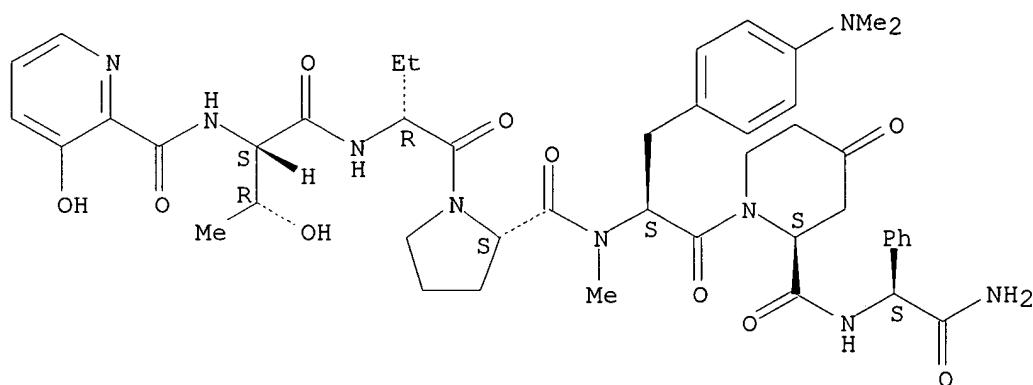
IT **182954-57-0P 182954-58-1P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(electrochem. redn. of the acyclic analog of pristinamycin Ia)

RN 182954-57-0 CAPLUS

CN Glycinamide, N-[(3-hydroxy-2-pyridinyl)carbonyl]-L-threonyl-(2R)-2-aminobutanoyl-L-prolyl-4-(dimethylamino)-N-methyl-L-phenylalanyl-(2S)-4-oxo-2-piperidinecarbonyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

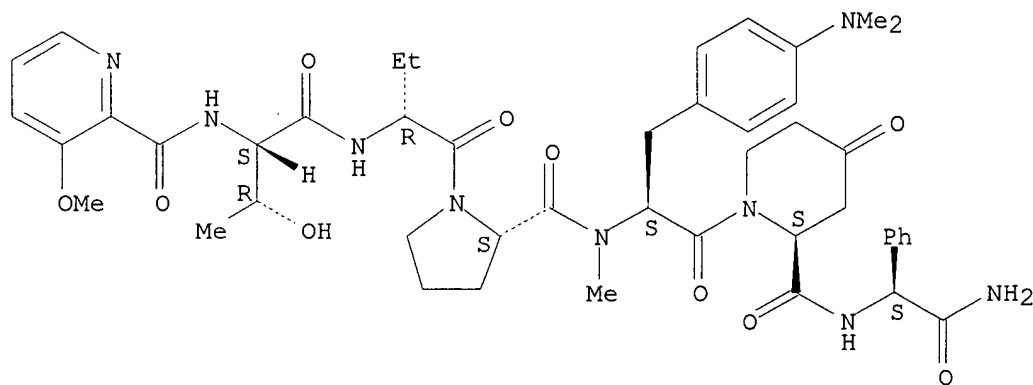
Absolute stereochemistry.



RN 182954-58-1 CAPLUS

CN Glycinamide, N-[(3-methoxy-2-pyridinyl)carbonyl]-L-threonyl-(2R)-2-aminobutanoyl-L-prolyl-4-(dimethylamino)-N-methyl-L-phenylalanyl-(2S)-4-oxo-2-piperidinecarbonyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



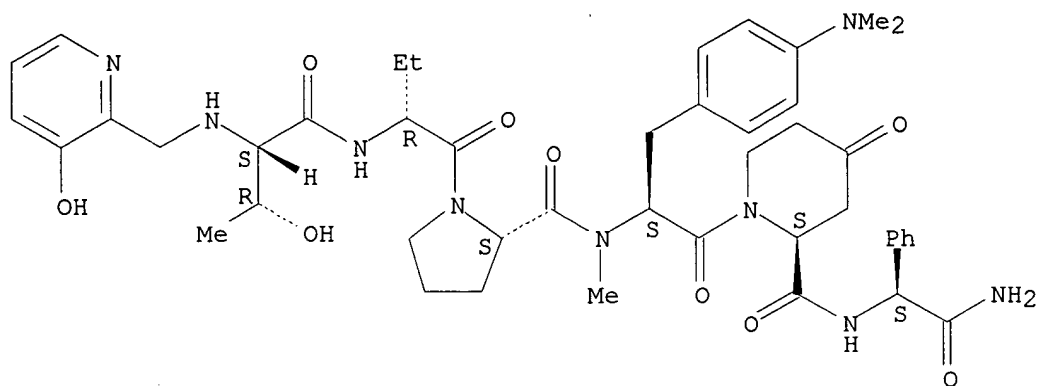
IT **182954-60-5P 182954-61-6P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(electrochem. redn. of the acyclic analog of pristinamycin Ia)

RN 182954-60-5 CAPLUS

CN Glycinamide, N-[(3-hydroxy-2-pyridinyl)methyl]-L-threonyl-(2R)-2-aminobutanoyl-L-prolyl-4-(dimethylamino)-N-methyl-L-phenylalanyl-(2S)-4-oxo-2-piperidinecarbonyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

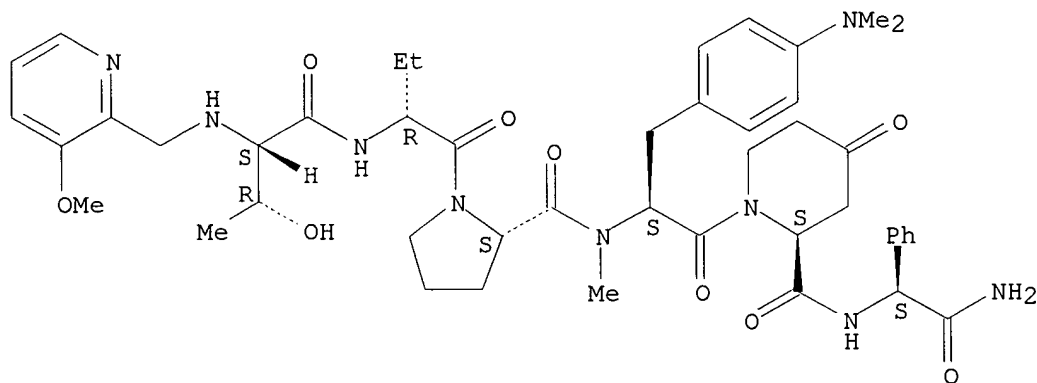
Absolute stereochemistry.



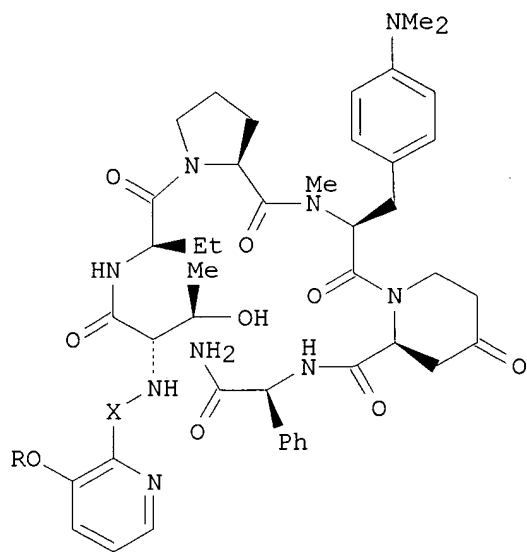
RN 182954-61-6 CAPLUS

CN Glycinamide, N-[(3-methoxy-2-pyridinyl)methyl]-L-threonyl-(2R)-2-aminobutanoyl-L-prolyl-4-(dimethylamino)-N-methyl-L-phenylalanyl-(2S)-4-oxo-2-piperidinecarbonyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L31 ANSWER 19 OF 29 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:641865 CAPLUS
 DN 125:301589
 TI Incidence of the peptidic lactone opening on the electrochemical reduction of pristinamycin Ia
 AU Langeron, Martine; Auzeil, Nicolas; Dakova, Bouria; Bacque, Eric; Paris, Jean-Marc; Fleury, Maurice-Bernard
 CS Lab. Chimie Analytique Electrochimie, CNRS, Paris, 75270, Fr.
 SO Tetrahedron Lett. (1996), 37(42), 7499-7502
 CODEN: TELEAY; ISSN: 0040-4039
 DT Journal
 LA English
 CC 34-3 (Amino Acids, Peptides, and Proteins)
 Section cross-reference(s): 72
 OS CASREACT 125:301589
 GI



I

AB Comparison of the cathodic behavior of pristinamycin Ia with an open ring deriv. corroborates the role of the steric crowding exerted by the peptidic lactone. For example, ammonolysis of pristinamycin Ia produced I (R = H, CH₃; X = CO) and preparative scale electrolysis of I (X = CO) produced I (X = CH₂) in 30% yield.
 ST electrochem redn pristinamycin acyclic analog; pristinamycin lactone ring opening ammonolysis
 IT Reduction, electrochemical
 (electrochem. redn. of the acyclic analog of pristinamycin Ia)
 IT Ring cleavage
 (of peptidic lactone, by ammonolysis; electrochem. redn. of the acyclic analog of pristinamycin Ia)
 IT 3131-03-1D, Pristinamycin Ia, acyclic analogs
 RL: RCT (Reactant)
 (electrochem. redn. of the acyclic analog of pristinamycin Ia)
 IT **182954-57-0P 182954-58-1P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (electrochem. redn. of the acyclic analog of pristinamycin Ia)
 IT **182954-59-2P 182954-60-5P 182954-61-6P**

L20 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AN 1985:554282 CAPLUS

DN 103:154282

TI Synthesis and study of N- and C-oligopeptide derivatives of
2-D-Ala,5-des-Met-enkephalin amide

AU Vlasov, G. P.; Gusel, W. A.; Kozhevnikova, N. Yu.; Illarionova, N. G.;
Ditkovskaya, I. B.; Dorosh, M. Yu.; Krasnikova, E. N.

CS Inst. Macromol. Comp., Leningrad, USSR

SO Pept., Proc. Eur. Pept. Symp., 18th (1984), 329-32. Editor(s):
Ragnarsson, Ulf. Publisher: Almqvist & Wiksell, Stockholm, Swed.
CODEN: 53PWAN

DT Conference

LA English

CC 2-2 (Mammalian Hormones)

AB In a structure-activity study of 26 enkephalin analogs,
Tyr-D-Ala-Gly-Phe-D-Ala-NH2 [98537-64-5], Tyr-D-Ala-Gly-Phe-(D-Ala)2-NH2
[98537-65-6], Tyr-D-Ala-Gly-Phe-(D-Ala)3-NH2 [98537-66-7], and
Tyr-D-Ala-Gly-Phe-(D-Ala)4-NH2 [98537-67-8] had higher relative analgesic
activity after intracerebroventricular administration of 5 mg into rats
than did Tyr-D-Ala-Gly-Phe-NH2 (I) [66649-46-5]; whereas, the analgesic
activity of 200 mg of (D-Ala)2-Tyr-D-Ala-Gly-Phe-NH2 [98537-59-8],
(D-Ala)4-Tyr-D-Ala-Gly-Phe-NH2 [98537-60-1], or (D-Ala)6-Tyr-D-Ala-Gly-
Phe-NH2 [98537-61-2] was only 25, 10, and 20% of that of I, resp. The
effects of the enkephalins on body temp. is also given. Thus,
modification of the N-terminus of I yields compds. with analgesic activity
which is usually much lower than that of analogs modified at the
C-terminus.

ST enkephalin structure activity; analgesic enkephalin structure activity;
body temp enkephalin structure activity

IT Enkephalins

RL: BIOL (Biological study)

(analgesic activity and body temp. response to, structure in relation
to)

IT Analgesics

(enkephalins as, structure in relation to)

IT Body temperature

(enkephalins effect on, structure in relation to)

IT Molecular structure-biological activity relationship

(analgesic, of enkephalin analogs)

IT Molecular structure-biological activity relationship

(body temp.-affecting, of enkephalin analogs)

IT 58569-55-4 61090-95-7 66649-46-5 98537-59-8 98537-60-1

98537-61-2 98537-62-3 98537-63-4 98537-64-5 98537-65-6

98537-66-7 98537-67-8 98537-68-9 98537-69-0 98537-70-3

98537-71-4 98537-72-5 98537-73-6 98537-74-7 98537-75-8

98537-76-9 98537-77-0 98537-78-1 98537-79-2 98537-80-5

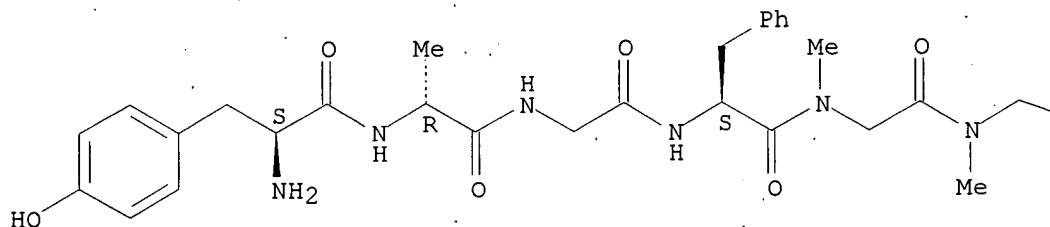
RL: BIOL (Biological study)

(analgesic activity and body temp. response to, structure in relation
to)

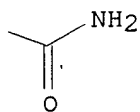
L16 ANSWER 18 OF 27 CAPLUS COPYRIGHT 2002 ACS
 AN 1985:554282 CAPLUS
 DN 103:154282
 TI Synthesis and study of N- and C-oligopeptide derivatives of
 2-D-Ala,5-des-Met-enkephalin amide
 AU Vlasov, G. P.; Gusel, W. A.; Kozhevnikova, N. Yu.; Illarionova, N. G.;
 Ditkovskaya, I. B.; Dorosh, M. Yu.; Krasnikova, E. N.
 CS Inst. Macromol. Comp., Leningrad, USSR
 SO Pept., Proc. Eur. Pept. Symp., 18th (1984), 329-32. Editor(s):
 Ragnarsson, Ulf. Publisher: Almqvist & Wiksell, Stockholm, Swed.
 CODEN: 53PWAN
 DT Conference
 LA English
 IT **98537-74-7**
 RL: BIOL (Biological study)
 (analgesic activity and body temp. response to, structure in relation
 to)
 RN 98537-74-7 CAPLUS
 CN Glycinamide, L-tyrosyl-D-alanylglycyl-L-phenylalanyl-N-methylglycyl-N2-
 methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



L16 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2002 ACS

AN 1987:423685 CAPLUS

DN 107:23685

TI Synthesis of enkephalin analogs on the polymer carrier Sephadex LH-20

AU Vlasov, G. P.; Gusel, V. A.; Kozhevnikova, N. Yu.; Ditzkovskaya, I. B.;
Dorosh, M. Yu.; Krasnikova, E. N.; Moskvicheva, Yu. B.; Kulyba, O. P.;
Titov, A. P.; Kachurin, G. G.

CS Inst. Vysokomol. Soedin., Leningrad, USSR

SO Zh. Obshch. Khim. (1986), 56(7), 1635-41

CODEN: ZOKHA4; ISSN: 0044-460X

DT Journal

LA Russian

IT **98537-74-7P**

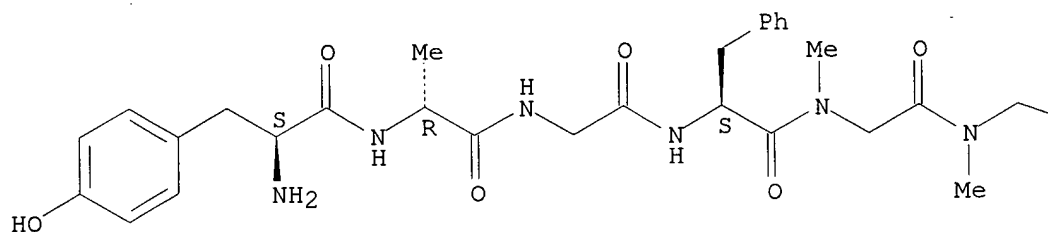
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and analgesic activity of)

RN 98537-74-7 CAPLUS

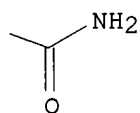
CN Glycinamide, L-tyrosyl-D-alanylglycyl-L-phenylalanyl-N-methylglycyl-N2-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



IT **108787-67-3P**

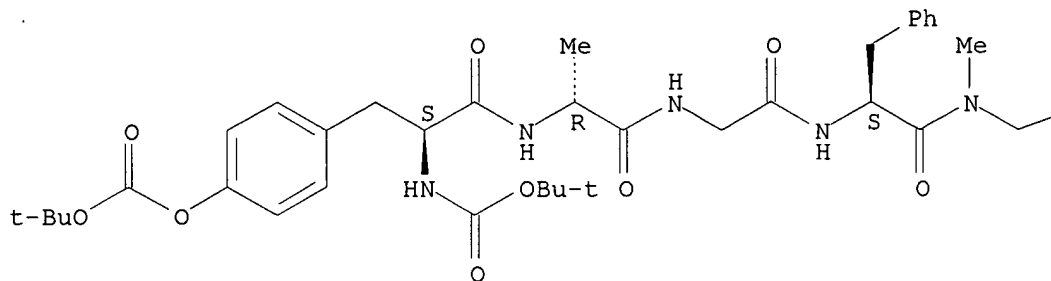
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and deprotection of)

RN 108787-67-3 CAPLUS

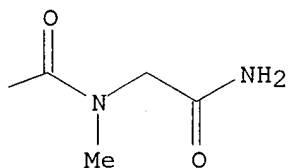
CN Glycinamide, N,O-bis[(1,1-dimethylethoxy)carbonyl]-L-tyrosyl-D-alanylglycyl-L-phenylalanyl-N-methylglycyl-N2-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



IT 108787-66-2DP, Sephadex-bound

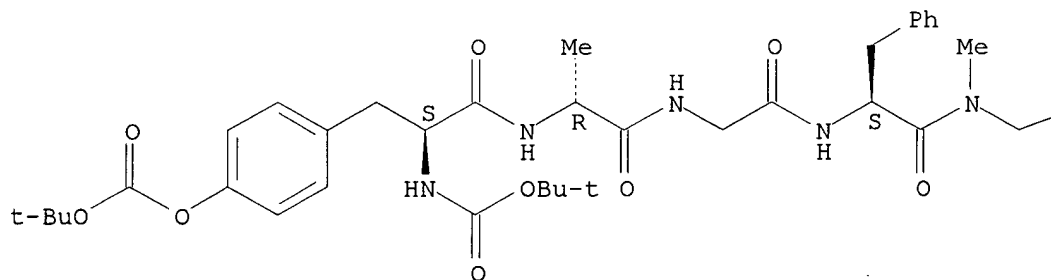
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and resin cleavage of, by aminolysis)

RN 108787-66-2 CAPLUS

CN Glycine, N-[N-[N-[N-[N-[N,O-bis[(1,1-dimethylethoxy)carbonyl]-L-tyrosyl]-D-alanyl]glycyl]-L-phenylalanyl]-N-methylglycyl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

